

ABSTRACT

An apparatus and method for counting wheel revolutions are provided that include a wheel-hub mountable odometer comprising an accelerometer comprising sensor means for sensing force, wherein the sensor means are operable to sense a force acting thereon and generate an electrical signal representative of said force. Further an electronic control system is provided comprising a microcontroller and power source, the microcontroller comprising electronic filtering means for attenuating irregularities in the signal from the sensor means and computing a wheel revolution count based on said attenuated signal, and output means for communicating the wheel revolution count. The accelerometer preferably comprises a dual axis electronic accelerometer with no internally rotating parts. Further, the output means preferably comprises at least one of a display means, an IR communication system, or a RF communications system.